DGTEC™

THE FUTURE OF HOME ENTERTAINMENT

freeview

USER MANUAL

High Definition Digital Terrestrial Receiver

Technical Support: 1800 189 941

DG-FV5800

A clever Hills.product

INTRODUCTION
This User Manual will help you to operate your receiver in a safe manner while enjoying all the features and benefits it provides for your entertainment

This User Manual must be read by every person that is:

- Installing
- Connecting
- Operating
- Cleaning

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC DEVICES

All products that are marked either directly or labeled on the packaging with the following icon:

cannot be disposed of through the normal household waste channels. These products must be disposed of through specialised collection centres for the recycling of electric and electronic devices

By disposing of this product as required by law, you are contributing to the protection of the environment.
Incorrect disposal can be dangerous to human health and hazardous to the environment.

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Safety precautions

Before operating the receiver, please thoroughly read the following safety precautions. You are required to read all the notes, instructions and warnings contained in this User Manual

⚠ Basic safety precautions

Connecting to the mains

· During electrical storms unplug the receiver from the mains.

· To avoid the risk of fire and electric shock, do not expose the receiver to any water. Keep away from exposure to the sun.

· Don’t open the housing otherwise there is the risk of electric shock.

· Only connect the receiver to a properly installed 100-240V, 50-60 Hz mains socket.

· When appliance is not used for long periods of time, please disconnect the plug from the mains.

· If objects or liquids enter the receiver, immediately unplug power from mains. Refer appliance to a qualified service technician before using it again otherwise there is a risk of electric shock.

· Please make sure that the power supply (socket) is easily accessible.

· Do not damage the mains cable.

· If the mains cable is damaged, refer to a qualified DGTEC technician for repair before using the receiver again otherwise there is the risk of electric shock.

· Do not allow children to use the receiver without supervision.

· Always refer maintenance to a qualified DGTEC technician. Purchase spare parts from the manufacturer only.

Positioning

Place the receiver on a stable, even surface.
Avoid placing it near:

- Sources of heat
- Naked flames, like candles,
- Devices with strong electromagnetic fields, like speakers.
- Do not place objects filled with liquids (such as vases) on the receiver.

· Avoid direct sunlight and exceptionally dusty places.
· Never cover the ventilation holes. Ensure sufficient ventilation of the receiver.
· Do not place heavy objects on the receiver.
· Humidity can occur inside when moving the receiver from a cold to a warm place. In this case, wait for about 1 hour before operating the unit.
Run the antenna cable so that no one can step on or stumble across it.

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General Introduction

UNPACKING

Unpack the unit and check to make sure that all of the following items are included in the packing:

1X Remote Control Unit (RCU)

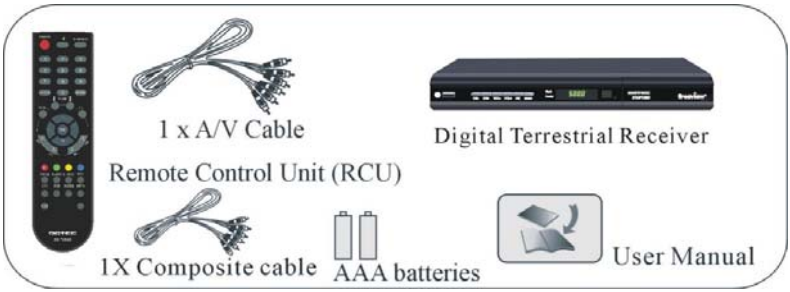
1X User's Manual

2X AAA batteries

1X Digital Terrestrial Receiver

1X Composite cable

1X Component Cable



Front Panel/ Rear Panel

Front Panel

(1) STANDBY: Switches the STB between operation and standby modes.

(2) CH (-/+): Change channel or items from top to bottom on the menu.

(3) VOL (-/+): Turns up/down volume or changes the page of channel list.

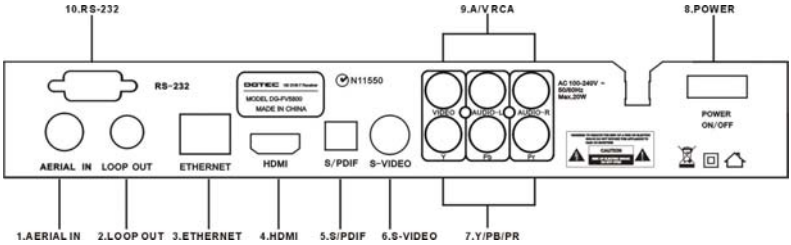
(4) OK: Display the channel list and selects the item on the menu.

(5) MENU: To display the main menu or return to a previous menu.

(6) DISPLAY: Display the channel number while operating and the time while in standby mode.

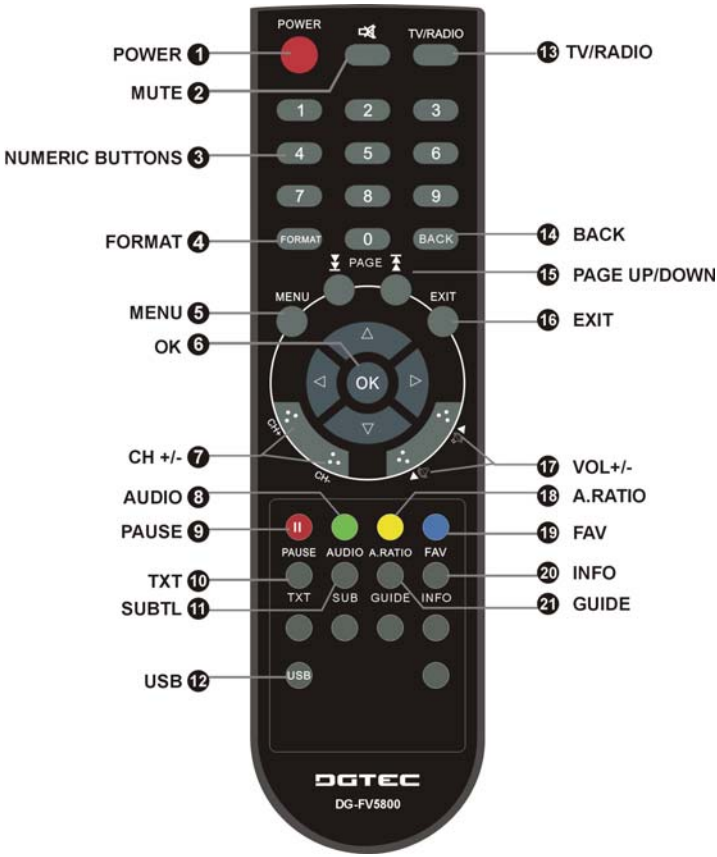
Front Panel/ Rear Panel

Rear Panel



(1) AERIAL IN: Input for antenna.
(2) LOOP OUT: Loop signal output to VCR, etc.
(3) ETHERNET：To connect network (to be used when specified)
(4) HDMI connection
(5) S/PDIF: S/PDIF audio format output system.
(6) S-VIDEO: S-VHS Video output
(7) Y/Pb/Pr RCA A/V: Component connection (Y/Pb/Pr)
(8) POWER: Power ON/OFF switch
(9) A/V RCA: To connect the Audio/Video RCA output to TV.
(10) RS-232: To connect to your PC for software upgrade (only used by qualified DGTEC technician)

Remote Control Unit



Remote Control Unit

1	**STANDBY**	Switch between Operation and Standby mode
2	**MUTE**	Turn off volume
3	**NUMBERIC BUTTONS**	Changes channels or selects the menu options.
4	**FORMAT**	Press to select the video output mode of 1080I, 720P and 576P. When change a video format, there will be flicker for second when change format.
5	**MENU**	Turn to the main menu or return to previous menu
6	**OK**	Enter into the menu you choose or select the current option
7	**CH (▲/▼)**	Change channels or items from top to bottom on the menu
8	**AUDIO**	Change audio mode to left right and stereo
9	**PAUSE**	Pause to freeze the screen while watching TV
10	**TXT**	View the Teletext information
11	**SUBTL**	To display the Subtitle text
12	**USB**	To display the USB list
13	**TV/RADIO**	Switch between TV and Radio mode
14	**BACK**	Returns to previous command
15	**PAGE UP/DOWN**	Press to jump one page up; or change EPG program list up or down.
16	**EXIT**	Return to previous menu
17	**VOL (◄/►)**	Turn up/down volume; Change the page of channel list.
18	**A.RATIO**	16:9/4:3
19	**FAV**	Enter into favorite list
20	**INFO**	Display information of programs and current settings
21	**GUIDE**	Opens program guide application

Installing the batteries in the remote control

1. Press down on the retaining catch on the lid of the battery recess on the remote control and remove the lid.
2. Insert two AAA batteries into the recess.

Be careful to insert the batteries as shown in the diagram inside the recess.

3. Replace the lid over the recess and gently push down on the lid until it snaps firmly into place.

Connecting your STB

Step 1: Connect to the antenna
Connect the antenna lead coming from the wall plate to the AERIAL IN socket.

Step 2: Choose your Connection
There are a number of methods for connecting your STB to the television, depending on your preference and the connection types on your TV. These methods are labeled A, B and C below.

A: Y / Pb / Pr (Component) using the supplied RCA blue–red–green lead

For Component video, connect with the supplied Y / Pb / Pr Component cable (green, blue and red leads). Connect the leads to the Y, Pb and Pr sockets on the back of the unit, and then to the corresponding Component sockets on your TV. Please pay attention to the color-coding. You will also need to establish a connection for left and right audio via the audio sockets. This can be done using the supplied RCA cable.
For right audio, connect the red RCA lead and for left audio, connect the white RCA lead.

B. HDMI connection

If your TV has a HDMI input, you can use a HDMI cable from the back of STB to the rear of the television. A HDMI lead supplies both audio and visual through the single cable so no audio leads are necessary.
Please ensure that your television is set to the HDMI input mode for detection of STB device to be made.

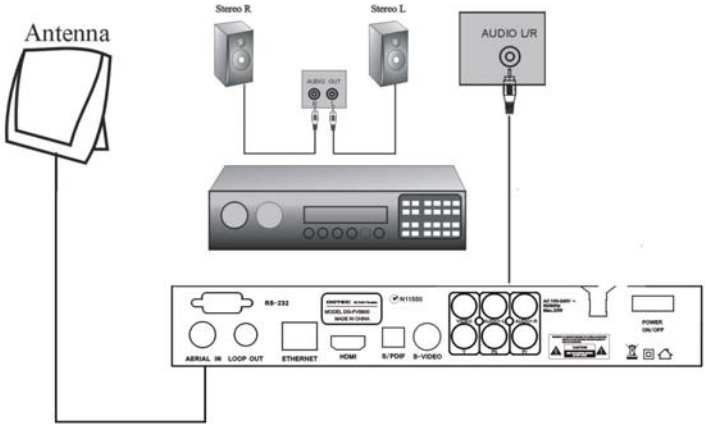
C: CVBS (Composite) using the supplied RCA red–white–yellow lead (basic TV's)

Using the appropriate color-coding, you can connect to your TV with the supplied RCA cable.
For video, connect the yellow RCA lead to the yellow video socket on the back of the STB and the corresponding socket on your TV.
For right audio, connect the red RCA lead to the red audio socket on the back of the STB and the corresponding socket on your TV.
For left audio, connect the white RCA lead on the back of the STB and the corresponding socket on your TV.

Connecting you STB

How do I connect to an external audio device?

Connect the AUDIO R/L socket of the STB to the Audio System e.g. HI-FI, Amplifier, etc. Alternatively an optical cable can be used from the rear S/PDIF to a surround sound system. This offers the user the best possible audio quality, only if program being viewed is broadcast in a recognisable audio format.

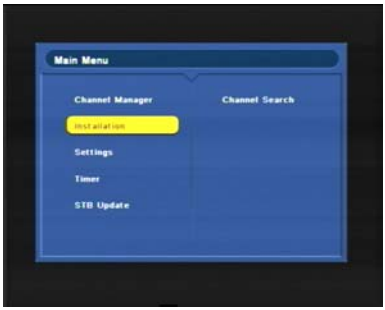


Main Menu

Plug in the STB. The Main Menu screen will appear as shown in the following picture. The Main Menu displays various functions of the STB. You can select menu options with the "**CH**" buttons and the numeric buttons on the remote control. To proceed to the next stage, press the "**OK**" button on the remote control.

Main Menu

Plug in the STB, and power up the STB. Press "**Menu**" on the remote control to get started.



Please go to installation menu by pressing "**Menu**" button on the remote control (default lock code: 0000). The installation menu allows you to set various functions, and customize. Use the "**CH**" buttons on the remote control to select an option and press the "**OK**" button to proceed. To move backwards to the previous stage, press the "**Exit**" or "**Menu**" button.

1. Channel Manager

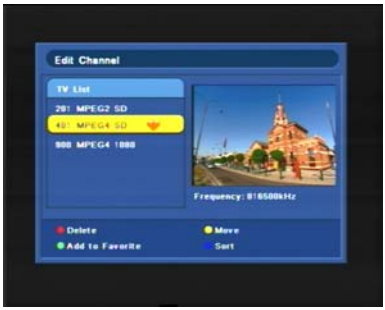
Edit Channel

This function enables you to perform such operations as Add, Delete and Rename TV channels.

Press the **"OK"**key go to the **"Edit channel "**menu, you can select the option which you want through the colour key.

1) **Deleting Channels:** Press the RED button to tag channels you would like to delete. When exiting, changes will be saved when requested.

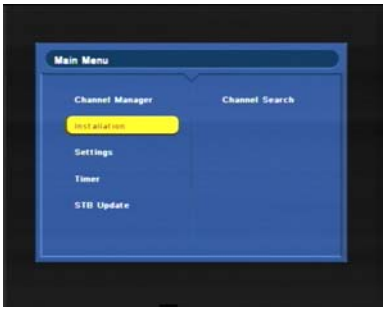
2) **Setting Favorite Channels:** Press the GREEN button to save channels as favorites. A love heart will appear when channel is tagged as a favorite. Favorite channels are accessible by pressing on the FAV button when exiting from the menu.



3) Press the BLUE button to enter LCN Sort menu. All channels are sorted by logical channel numbering.

4) Press the YELLOW button to enter FAV Sort menu to add a channel or station to your favorites list (or remove it if it is already on that list). A heart icon appears beside the channel or station name to indicate that it is on your favorites list. (If you are removing a channel or station from your favorites list, the heart icon disappears.)

2.Installation



"Installation" Menu allows you to select the channel search like Auto search and Manual search

2.1Channel Search

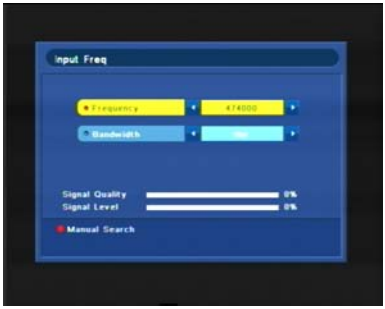
2.1.1 Manual Search

Select the TP you want by pressing the "OK" key then press Colour key "RED" into the Manual Search.

2.1.2 Auto Search

Press Colour key "GREEN" into the Auto Search.

2.1.3 INPUT FREQ



you can input the Frequency which you want then press Colour key into the Manual Search.

If any program is detected when scanning process is finished, system will exit the scanning page and save the program.

3.SETTINGS

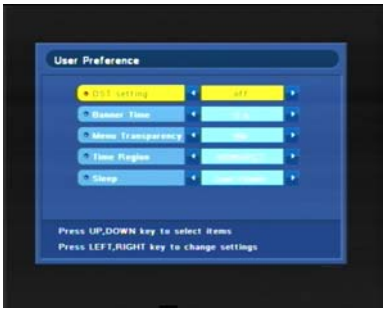
3.1 AV Setting

Using the AV Setting menu, you can set the user interface display mode to your own satisfaction.

1) All options are listed on the menu.

HD Video Mode: 576i/ 576p/720p/1080i.
Screen radio: 16:9/ 4:3
Aspect mode: Full Screen/Letter box/ PanScan
S/PDIF output: PCM/AC3

3.2 User Preference



3.2.1 DST Setting

3.2.2 Banner Time

3.2.3 Menu Transparency

Set the transparency of the user surface display.

3.2.4 Timer Region

Set the Time mode and GMT time etc.
Time Mode: To Select AUTO or MANUAL setting of time.
GMT Offset: To set the GMT time zone.
Summer Time: To select ON or OFF for summer time.

3.2.5Sleep

Switch between Lower Power and Normal by pressing left and right buttons.

Press UP, DOWN Key to select items that you want .
Press LEFT, RIGHT Key to change Settings

3.3 Parent Control

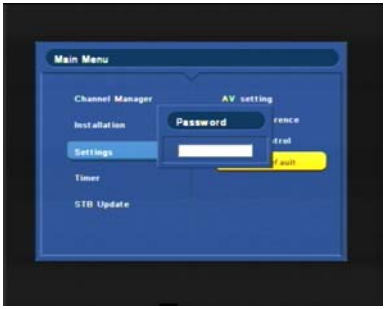
Default Pin code is 0000. Please enter this number when requested.
PG block level (Parental Guidance):
Under this menu, you can choose a Rating of your choice to block: All/ Disable/R-Above/AV-Above/MA -Above/PG- and Above/G.

5.3 Pin Setting

To prevent the unauthorized access of your STB, you can set the pin control password to your receiver. (Default password: 0000)

1. Press **LEFT or RIGHT** to set the Pin Status you want. If you want to change the password, set to enable.
2. Press the number key 0-9 on the RCU to input Old password.
3. If the password is correct, the cursor can move onto Input New password option. Press number key 0-9 to input new 4-digit password;
4. To Confirm New Password, press number key 0-9 again.

3.4 Factory default



The factory default enables you to reset your STB back to factory settings.

WARNING: You will loose all settings and channels already saved.

4.TIMER

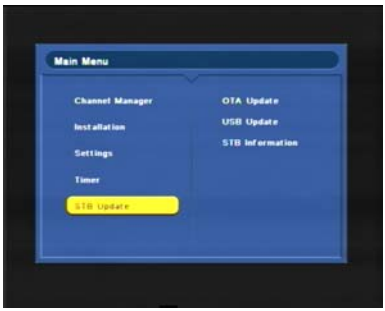
Timer List
Action Date Time Duration Channel
1 Off --/--/-- --:-- --:-- Null
2 Off --/--/-- --:-- --:-- Null
3 Off --/--/-- --:-- --:-- Null
4 Off --/--/-- --:-- --:-- Null
5 Off --/--/-- --:-- --:-- Null
6 Off --/--/-- --:-- --:-- Null
7 Off --/--/-- --:-- --:-- Null
8 Off --/--/-- --:-- --:-- Null
OK: Set timer

There are total 8 Timers for you to arrange your program and in order not to miss your favorite program.

Use the ”Vol” and ”CH” buttons to select the preferred figures, and press ”OK” button to set the different Timers, you can also set the preferred Power On channel in TV or Radio mode.

Timer Number
From 1 to 8, you can set total 8 different Timers
Timer Number
From 1 to 8, you can set total 8 different Timers

Timer Set
To open or close each Timer, if the Timer Set is off, then you cannot continue to set Timer.



5.STB UPDATE

5.1 OTA Update

This unit is capable of performing an over the air upgrade. A message will appear on screen prompting you to accept the upgrade. Follow all prompts to enable and complete upgrade.

5.2 USB Update

USB port is only to be used for a software upgrade. If required, an upgrade will be authorized by a DGTEC technician.

5.3STB Information

System Info provides you current hardware and software information for your STB.

EPG (Electronic Program Guide): Press EPG on the remote control and select the channel of your choice. **Please be patient as it takes some time for information to load.**

1. Highlight the channel of your choice (at the bottom left). The EPG detail information is shown on the upper left. The current program is also highlighted.

2. To choose a different channel, press CH▼ or CH▲ until the channel you are interested in is highlighted.

3. To display extended information about a displayed program, press OK to highlight the EPG index on the right hand side. If necessary, press CH▼ **or** CH▲ or **VOL◀ or VOL▶** to change to another date until the EPG index you are interested in is highlighted. Extended information is displayed about the highlighted program in the upper left box.

Teletext

Teletext is a text-based data service. It is available only on the Channel Seven Network broadcast. Press the TXT button to activate.

Subtitle

Closed captions are the spoken words typed onto the screen. Pressing the SUB button on the Remote Control Unit will activate this feature.

Note: Closed captioning is not always available on all adverts and programs.

Troubleshooting

If a problem does occur with this STB, please check the table below to begin troubleshooting. Alternatively you can contact the DGTEC Technical support hotline on 1800 189 941.

Problem	Probable reasons	Resolution
Power on, but no display on screen	Please carefully check the power plug, to see it is in socket of wall or not? Is power interrupted?	Firmly push the power plug into the wall socket.
Power on this STB, however the screen displays ”No signal”	Is the aerial installed correctly?	Reinstall the aerial
	Antenna cable is not connected	Connect the antenna cable
	Possible interference	Power off unit and start again
	AV channel on Television is not set correctly	Set the Television on the correct AV input by using the television RCU.
Picture but no audio.	Audio cables are not inserted.	Check that the audio leads are connected properly both on the back of the unit and the back of the television.

Specification

1. Tuner Demodulator

Input Frequency Range	176MHz–860MHz
Input socket	IEC 169-2 Female
Output socket	IEC 162-2 Male

2. Demodulator

Coding	COFDM
Mode	2K or 8K
Code rate	1/2,2/3,3/4,5/6,7/8
Guard	1/4,1/8,1/6,1/32

3. Video decoder

Profile Lever	MPEG-2 MP@ML
Bit rate	Max 15Mbps
Aspect Ratio	4:3, 16:9, Auto
Output	PAL/NTSC
Video Resolution	720 x 576(PAL), 720 x 480 (NTSC)

4. Audio decoder

Decoding	MPEG-2&1 Layer 2&1
Mode	Mono, Dual, Stereo, Joint stereo
Bit rate	Max 384kbps

5. General

Input Voltage	100-240V~, 50/60Hz.
Power Consumption	Max.15W
Operating Temperature	0℃ - 40℃
Storage Temperature	-40℃- 65℃

This product complies with the legal standards and is manufactured under constant quality control.
Technical specifications are up-to-date at the time of printing, however can be subject to changes without prior notice.

V1.0